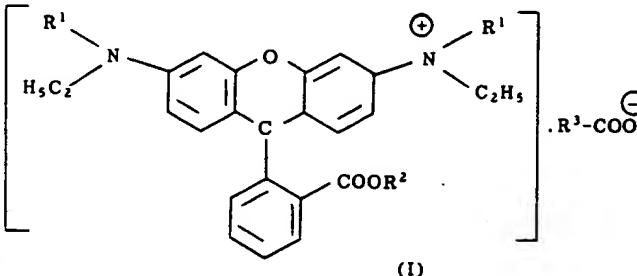


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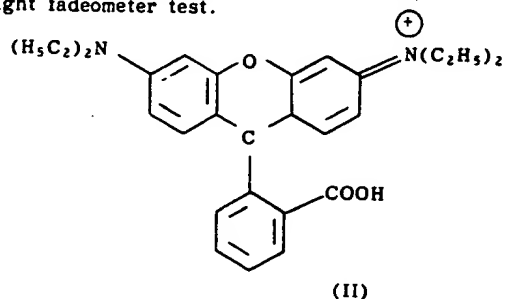
AU 116 49104

JD 3093870
APR 1991

<p>91-159412/22 E23 G02 DAINIPPON INK CHEM KK 07.09.89-JP-230431 (18.04.91) C09d-11 Oily magenta ink for ink jet recording - contains xanthene dye, and provides high definition, high quality printed images with light resistance C91-068855</p>	<p>DNIN 07.09.89 *JO 3093-870-A E(25-E2) G(2-A48)</p>
<p>An oily magenta ink for ink jet recording comprises a dye of formula (I):</p>  <p>(I)</p>	<p>$R^1 = \text{H or (m)ethyl};$ $R^2 = \text{H or 1-4C alkyl}; \text{ and}$ $R^3 = \text{1-24C alk(en)yl}.$</p> <p><u>USE/ADVANTAGE</u> Oily magenta ink with jetting and storage stability for ink jet recording capable of long stable ink jetting and of giving high quality, high definition printed images with light resistance and colour reproducibility, esp. useful as process colour inks.</p> <p><u>EMBODIMENT</u> The ink can also contain another oil-soluble dye(s) and the solvent includes aliphatic, naphthene and aromatic hydrocarbons, glycols, alkylene ethers, glycol esters, fatty acids, fatty acid esters, nitrogen-contg. cpds. and hydroxybenzoic acid esters.</p> <p><u>EXAMPLE</u> A mixt. of 5 wt.% of a dye of formula (II), 50 wt.% oleic acid, 15 wt.% diglyme and 30 wt.% diisopropylnaphthalene is dissolved at room temp. and filtered with a 0.5 μ membrane</p> <p>J03093870-A+</p>

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filter. By using the obtd. ink, printing is carried out by a drop-on-demand ink jet printer with the ink having 6 months of stable storage and 500 hrs. of continuous stable jetting even after 6 months of storage at room temp., giving high quality, high definition printed images with a light resistance of blue scale grade 3 by the carbon arc light fadeometer test.



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